Abdulsalam Abdulmajid Abdullah Muaad

Flutter Developer | Systems Analyst | Automation (Python, n8n)

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SUMMARY

Mobile software engineer specializing in cross-platform applications with strong focus on secure, maintainable architectures (Clean Architecture) and state management (Bloc/Cubit). Delivered real-time features (Socket.IO), REST API integrations, secure authentication (OTP/JWT + refresh token), secure local persistence, offline caching, notifications (FCM/local), and maps-based addresses. Also experienced in pre-build system analysis (requirements, user flows, data entities) and process automation (Python, n8n), and teaching Flutter through project-based instruction.

CORE SKILLS

- **Mobile Development**: Flutter, Dart
- **Architecture**: Clean Architecture, feature-based structure, repository pattern, use cases, DI (GetIt/Injectable)
- **State Management**: Bloc/Cubit, GetX
- **Networking & APIs**: Dio, HTTP, REST APIs, JSON, JWT (access/refresh), Socket.IO, dartz (Either)
- **Storage & Offline**: Hive, SharedPreferences, Secure Storage, Firestore
- **Security**: OTP, biometric login (local_auth), token refresh, secure token storage
- **UI & Localization**: AR/EN l10n, light/dark theming, reusable UI components
- **Notifications & Maps**: FCM, local notifications, Google Maps, Geolocator, Geocoding
- **Automation**: Python scripting, n8n workflows (integrations, triggers, data processing)
- **Open Source**: elastic_sheet, frost_nav_bar (pub.dev) — Flutter animation & UI packages
- **Version Control**: Git, GitHub

EXPERIENCE

IT Department Manager — Tagadod

Sana'a, Yemen | Aug 2025 - Present

- Led IT department operations including infrastructure oversight, technical support, and internal tooling.
- Architected and delivered Tagadod's Flutter app (~80 screens) from scratch, covering e-commerce and maintenance marketplace flows.
- Designed and automated internal workflows using n8n and Python scripts, reducing manual operations time.
- Coordinated with cross-functional teams to gather requirements, map user flows, and translate business needs into technical solutions.

Flutter Instructor — Smart Academy

Yemen | 2024 - 2025

- Designed and delivered a project-based Flutter curriculum covering Dart fundamentals, Clean Architecture, state management (Bloc/GetX), and real-world API integration.
- Mentored students through building complete mobile apps, from UI design to backend integration and deployment.

Teaching Assistant / Lecturer — Al-jeel Al-jadeed University

Yemen | 2023 - 2024

- Delivered programming courses and supported lab sessions.

Teaching Assistant / Lecturer — National University

Yemen | 2021 - 2023

- Taught Java programming and supported lab sessions.

Digital Marketing / E-commerce Accounts — Alnjoomtelecom

Jeddah, Saudi Arabia | 2019 - 2023

- Managed social media accounts, e-store operations, and content creation.

PROJECTS

1) Tagadod — E-commerce & Service Marketplace App (Flutter)

Large-scale Flutter app (~80 screens) combining e-commerce ordering with a maintenance marketplace connecting customers and engineers.

- Built 15+ feature modules using Clean Architecture (domain/data/presentation) with UseCase pattern for maintainability and scalability.
- Implemented Bloc/Cubit state management with Either-based error handling (dartz) across auth, cart, orders, and maintenance flows.
- Integrated Socket.IO for real-time support chat and in-app notifications/events with reconnection and token-based auth.
- Delivered JWT auth with refresh token, auto-refresh, session expiry handling, and SecureTokenStore for secure token persistence.
- Added Hive caching for categories, products, banners, and favorites with cache-first strategy and configurable TTL.
- Implemented Firebase Cloud Messaging and local notifications with custom sounds and deep-link routing to product/order screens.
- Enabled AR/EN localization with runtime language switching and persisted user preference.

Tech: Flutter, Bloc/Cubit, Clean Architecture, GetIt, Dio, Hive, Socket.IO, Firebase FCM, GoRouter, JWT, Geocoding, flutter_secure_storage

2) TRAS Phone — B2B E-commerce Mobile App (Flutter)

Flutter B2B app for spare parts retailers and technicians featuring catalog, cart sync, orders, returns, and real-time support.

- Built feature-based Flutter app with Bloc/Cubit state management and GetIt + Injectable DI across ~15 feature modules.
- Implemented local-to-remote cart sync (Hive + API) so users can add items offline and sync seamlessly when online.
- Delivered full B2B order lifecycle: list, details, tracking, invoice view, and receipt upload for B2B reconciliation.
- Integrated real-time support chat using Socket.IO for tickets and live sessions with typing indicators and event-based handlers.
- Secured auth flow with OTP verification, Secure Storage for tokens, and optional biometric login (Face ID/Touch ID).
- Shipped FCM push notifications and in-app notification center; added Google Maps address picker and geocoding for shipping zones.

Tech: Flutter, Bloc/Cubit, GoRouter, GetIt, Injectable, Dio, Socket.IO, Hive, Secure Storage, Firebase FCM, Google Maps/Geolocator, local_auth, AR/EN l10n

3) Smart Store — Flutter E-commerce Mobile App (Firebase)

Flutter e-commerce app with full shopping flow (catalog, cart, checkout, orders) backed by Firebase services.

- Delivered end-to-end shopping flow: catalog/banners, product details, wishlist, cart, checkout (coupons, addresses), and order management.
- Integrated Firebase (Auth, Firestore, Storage, App Check) for secure authentication, data storage, and API protection.

- Implemented signup/login, email verification, password reset, and Google Sign-In.
- Used GetX for state management, routing, and DI within a feature-based structure (authentication, personalization, shop); separated data layer via repositories + services.
- Added connectivity-aware UX (connectivity_plus), local persistence (GetStorage), and light/dark theme support.

Tech: Flutter, GetX, Firebase Auth, Cloud Firestore, Firebase Storage, Firebase App Check, Google Sign-In, GetStorage, HTTP, connectivity_plus

elastic_sheet — Open Source Flutter Package | pub.dev/packages/elastic_sheet | github.com/Abdualsslam/elastic_sheet

Flutter widget for elastic expand/collapse surfaces with liquid spring physics — cross-platform (Android, iOS, Web, Desktop)

- Designed and published a standalone Flutter package to pub.dev with a declarative API, controller-based API, and configurable spring physics via ElasticSheetConfig presets (gentle, snappy, natural).
- Implemented a 9-point anchor system (topLeft to bottomRight) for directional expansion without disrupting layout, and dynamic height sizing for content-driven surfaces.
- Added ElasticSheetActions for partial triggers, content states (ready, pending, unavailable), and an included showcase example app with realistic use cases.

Tech: Flutter, Dart, Custom Animation, Spring Physics, pub.dev

frost_nav_bar — Open Source Flutter Package | pub.dev/packages/frost_nav_bar | github.com/Abdualsslam/frost_nav_bar

Premium frosted-glass bottom navigation bar with draggable indicator, smooth animations, badge support, and full RTL compatibility

- Built a fully customizable glassmorphism navigation bar with real-time backdrop blur, gradient overlay, and 60+ style properties via FrostNavBarStyle.
- Implemented a draggable pill indicator with easeOutBack spring curves, scale transitions, animated labels, and haptic feedback on tab switch.
- Added notification badge system with bounce animation via StreamController, full RTL layout support, and auto dark/light mode detection.

Tech: Flutter, Dart, Glassmorphism, Custom Animation, pub.dev

Sales Bot Automation (n8n)

- Built an n8n-based bot to respond to customers, capture orders, and read/write Excel as a lightweight database.

EDUCATION

Bachelor’s Degree in Information Technology — National University, Yemen | 2021

CERTIFICATIONS

- Google IT Support (Coursera) — 2021-2022
- Complete Flutter & Dart Development Course (Udemy) — 2025
- Google IT Automation (Coursera) — 2022
- Google Online Digital Marketing — 2020-2021
- English Diploma — 2021-2022

LANGUAGES

- Arabic: Native
- English: Very good (reading/writing/speaking)